

Lupos® GP2300

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description

General Purpose

Application

Electric & Electronic (Housing, Components)

General Information			
UL YellowCard	E248280-101162021	E67171-101032020	E67171-248378
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	General Purpose		
Uses	Electrical Housing		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.20	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	88.3	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	3.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	7350	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	142	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	99.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	< 0.020	%	
Rear Temperature	220 to 235	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	220 to 240	°C	

Nozzle Temperature	230 to 245	°C
Processing (Melt) Temp	235 to 245	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	10.0 to 40.0	MPa
Screw Speed	40 to 80	rpm

NOTE

1.	50 mm/min
2.	50 mm/min
3.	10 mm/min
4.	10 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

